RAW SEQUENCE LISTING
PATENT APPLICATION **US/09/389,000**

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This Raw Listing contains the General Information Section and up to first 5 pages.

ENTERED

<110> APPLICANT: Afar, Daniel E.
Hubert, Rene S.
Raitano, Arthur B.
<120> TITLE OF INVENTION: PHELIX: A TESTIS-SPECIFIC PROTEIN EXPRESSED IN CANCER
<130> FILE REFERENCE: 1703-018.US1
<140> CURRENT APPLICATION NUMBER: US/09/389,000
<141> CURRENT FILING DATE: 1999-08-31
<150> EARLIER APPLICATION NUMBER: 60/098,610
<151> EARLIER FILING DATE: 1998-08-31
<150> EARLIER APPLICATION NUMBER: 60/106,524
<151> EARLIER FILING DATE: 1998-10-03
<160> NUMBER OF SEQ ID NOS: 12
<170> SOFTWARE: PatentIn Ver. 2.1
<210> SEQ ID NO 1
<211> LENGTH: 2128
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

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<211> LENGTH: 405
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 2

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Ala Ile Lys Leu Ile Arg Phe Gly Lys Lys Lys Asn Thr His Ser Leu
20 25 30
Phe Val Phe Ile Ile Pro Glu Asn Phe Lys Gly Cys Ile Ser Gly His
35 40 45
Gly Met Asp Ile Ala Leu Thr Glu Pro Leu Thr Met Glu Lys Met Ser
50 55 60
Asn Val Val Lys Tyr Trp Thr Thr Cys Pro Ser Asn Thr Val Lys Thr
65 70 75 80
Glu Asn Ala Thr Gly Pro Glu Glu Leu Gly Leu Pro Leu Gln Arg Ser
85 90 95
Tyr Ser Glu His Leu Gly Tyr Phe Pro Thr Asp Leu Phe Ala Cys Ser
100 105 110
Glu Ser Leu Arg Asn Gly Asn Gly Leu Glu Leu Asn Ala Ser Leu Ser
115 120 125
Glu Phe Glu Lys Asn Lys Lys Ile Ser Leu Leu His Ser Ser Lys Glu
130 135 140
Lys Leu Arg Arg Glu Arg Ile Lys Tyr Cys Cys Glu Gln Leu Arg Thr
145 150 155 160
Leu Leu Pro Tyr Val Lys Gly Arg Lys Asn Asp Ala Ala Ser Val Leu
165 170 175
Glu Ala Thr Val Asp Tyr Val Lys Tyr Ile Arg Glu Lys Ile Ser Pro
180 185 190
Ala Val Met Ala Gln Ile Thr Glu Ala Leu Gln Ser Asn Met Arg Phe
195 200 205
Cys Lys Lys Gln Gln Thr Pro Ile Glu Leu Ser Leu Pro Gly Thr Val
210 215 220
Met Ala Gln Arg Glu Asn Ser Val Met Ser Thr Tyr Ser Pro Glu Arg
225 230 235 240
Gly Leu Gln Phe Leu Thr Asn Thr Cys Trp Asn Gly Cys Ser Thr Pro
245 250 255
Asp Ala Glu Ser Ser Leu Asp Glu Ala Val Arg Val Pro Ser Ser Ser
260 265 270
Ala Ser Glu Asn Ala Ile Gly Asp Pro Tyr Lys Thr His Ile Ser Ser

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     Ala Ala Leu Ser Leu Asn Ser Leu His Thr Val Arg Tyr Tyr Ser Lys
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     Val Thr Pro Ser Tyr Asp Ala Thr Ala Val Thr Asn Gln Asn Ile Ser
     305                 310                 315                 320
     Ile His Leu Pro Ser Ala Met Pro Pro Val Ser Ser Phe Ser Leu Gly
                     325                 330                 335
     Thr Ala Leu Leu Gly Trp Ala Arg Arg Ala Leu His Ile Pro Thr Val
                 340                 345                 350
     Cys Asn Ser Phe Gly Arg Ile Lys Ser Thr Cys Leu Lys Phe Thr Leu
                355                 360                 365
     Ser Thr Thr Tyr Trp Ala Gln Phe Asp Asn Leu Gly Lys Val Glu Gln
         370                 375                 380
     Arg Met Ile Leu Lys Ala Pro Pro Lys Asp Leu Ile Ser Lys Glu Leu
     385                 390                 395                 400
     Ala Trp Phe Gly Phe
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<211> LENGTH: 50
<212> TYPE: PRT
<213> ORGANISM: Rattus norvegicus
<400> SEQUENCE: 3
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     His Ser Leu Arg Asp Ser Val Pro Ser Leu Gln Gly Glu Lys Ala Ser
                   20                  25                  30
     Arg Ala Gln Ile Leu Asp Lys Ala Thr Glu Tyr Ile Gln Tyr Met Arg
                35                  40                  45
     Arg Lys
         50
<210> SEQ ID NO 4
<211> LENGTH: 24
<212> TYPE: PRT
<213> ORGANISM: Brachydanio rerio
<400> SEQUENCE: 4
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     Glu Arg Leu Lys Thr Leu Ile Pro
                   20
<210> SEQ ID NO 5
<211> LENGTH: 14
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: cDNA synthesis
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
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<223> OTHER INFORMATION: Description of Artificial Sequence: DNA Adaptor 1
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<210> SEQ ID NO 7
<211> LENGTH: 40
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA Adaptor 2
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
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<223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer 1
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<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
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<223> OTHER INFORMATION: Description of Artificial Sequence: Nested primer (NP)1
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
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<223> OTHER INFORMATION: Description of Artificial Sequence: RT-PCR primer 22P4G9.1
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195 <211> LENGTH: 24
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: RT-PCR primer
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201 <400> SEQUENCE: 12
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VERIFICATION SUMMARY
PATENT APPLICATION **US/09/389,000**

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